



# Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

## Student Kit

### Objective

The primary objective of the **Corporate Connect Platform for Startups** is to create a digital ecosystem that facilitates connections between startups and large corporations. The platform enables matchmaking based on industry, region, and mutual business interests, helping startups access funding, and acquisition opportunities, while corporates engage in innovation and CSR initiatives. It aims to foster win-win collaborations that drive business growth and innovation.

### Requirements Specification (RS)

A Requirements Specification (RS) document is a critical component of software development projects. It outlines the detailed functional and non-functional of the system that needs to be developed. Below is an example of how you can structure an RS document for an Corporate Connect Platform for Startups:

Sr No.	Requirement	Essential/Desirable	Description	Remarks
RS1	User Registration	Essential	Allow users to create a new account	
RS2	User Login	Essential	Enable users to log in to the system	
RS3	View Profile Page	Essential	Provide a detailed company & corporate information	
RS4	View CSR Funding Page	Essential	Enable users to view listing of active CSR funding opportunities.	
RS5	Update Contact Information	Essential	Allow users to update their contact information	
RS6	Update Matchmaking detail	Essential	Allow users to identify company profiles for connection	
RS7	Administration Control	Essential	Allow admin to manage & review the profiles, etc.	
RS8	Payment Processing	Essential	Handle online payment for funding purpose.	

RS9	In-platform Chat	Essential	Notify users for messages. Chat between startups and corporates	
RS10	Data Security	Essential	Ensure security and privacy of user data	

## Database Fields Specification

### Registered Users (startups, corporates, & admins) Table

No.	Field Name	Range of valid values for the field	Remarks
1	User id	1 to 10000	Primary field
2	First Name	Up to 15 characters in length.	Special characters like underscore are not allowed.
3	Last Name	Up to 15 characters in length.	
4	Email id	Up to 30 characters in length with valid email id rules.	
5	Password	Up to 15 characters in length.	Special characters like underscore are allowed.
6	Role	Up to 50 characters in length.	User role in the system.
7	Location	Date	User's location (city, country)
8	Industry	Up to 255 characters in length.	Industry/domain of the user
9	Phone No.	1 to 10 integers in length.	Special Characters are not allowed
10	Description	Up to 500 characters in length.	Profile description or bio

### Matchmaking Table

No	Field Name	Range of Valid Values	Remark
1	Startup_id	1 to 100	Unique identifier for each organization.
2	Corporate_id	1 to 100	Unique identifier for each organization.

3	Status	String('pending', 'accepted', 'rejected')	Status of the match.
4	Matched_at	TIMESTAMP	Timestamp of when the match was made.

### CSR Funding Table

No	Field Name	Range of Valid Values	Remark
1	CSR_funding_id	1 to 100	Unique identifier for each CSR funding initiative.
2	Corporate_id	1 to 100	Unique identifier for the user making the payment.
3	Total_funding	1 to 100000	Amount of the funding.
4	Status	String ('open', 'closed')	Status of the funding round.

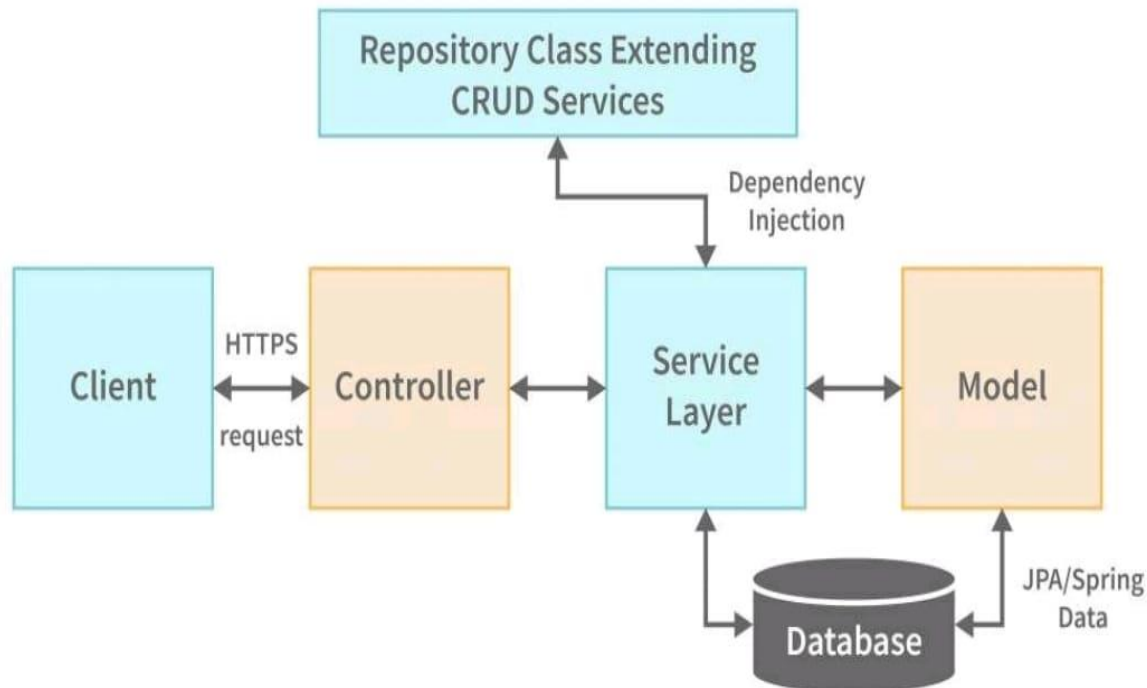
### Billing table

No	Field Name	Range of Valid Values	Remark
1	Message_id	1 to 100	Unique identifier for each message
2	Sender_id	1 to 100	Foreign key referencing the sender (user_id).
3	Receiver_id	1 to 100	Foreign key referencing the receiver (user_id).
4	Message_Content	TEXT	Content of the message.
5	Sent_at	TIMESTAMP	Timestamp of when the message was sent.
6	Status	String ('sent', 'read')	Status of the message (read/unread)

## High Level/Detailed Design (HLD/DD)

Overview of the system

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### Design Components

The system is based on various screens based on the role of the user in organization

#### Users (Startups/Corporates):

- **Login/Registration Screen**
- **Dashboard/Home Screen**
- **Profile Management**
- **Search & Matchmaking**
- **Billing and Invoices**
- **Payment Screen**
- **Payment History**
- **CSR Funding Management**
- **Messaging & Notifications**
- **Support and Contact**
- **Logout**
- **Settings**
- **Feedback and Surveys**

#### Admin Users:

- **Login Screen**
- **Dashboard/Home Screen**

- **User Management**
- **Reports and Analytics**
- **Content Management**
- **Customer Support**
- **Payment Processing**
- **System Configuration**
- **Security and Auditing**
- **Maintenance and Updates**
- **Notifications and Alerts**
- **Logout**

### **Test-Plan (TP)**

The test-plan is basically a list of test cases that need to be run on the system. Some of the test cases can be run independently for some components (report generation from the database, for example, can be tested independently) and some of the test cases require the whole system to be ready for their execution. It is better to test each component as and when it is ready before integrating the components.

It is important to note that the test cases cover all the aspects of the system (ie, all the requirements stated in the RS document).

<b>Se No.</b>	<b>Test Case Title</b>	<b>Description</b>	<b>Expected Result</b>	<b>Requirement in RS Table</b>	<b>Results</b>
1	User Registration	Test the user registration process	User can successfully create a new account	RS_1	Passed
2	User Login	Test user login functionality	User can log in using valid credentials	RS_2	Passed
3	View Profile Page	Test viewing profile details of corporates & startups	User can view detailed information about company.	RS_3	Passed
4	View CSR Funding Page	Test viewing of active CSR funding opportunities.	User can view active CSR funding opportunities.	RS_4	Passed
5	Update Contact Information	Test updating contact information	User can successfully update their contact information	RS_5	Passed
6	Update Matchmaking detail	Test recommended companies information	User can update their preferences to get	RS_6	Passed

			recommendations of company successfully		
7	Administration Control	Test admin functionality.	Admin can update or manage users profile	RS_7	Passed
8	Payment Processing	Test the payment processing functionality	System processes the online payment successfully	RS_8	Passed
9	In-platform Chat	Test the messaging functionality.	System processes that allow communication successfully.	RS_9	Passed
10	Data Security	Test the data security measures	User data is secure and not accessible by unauthorized users	RS_10	Passed